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Capacitated p-median

OR-Library

[J E Beasley](#)

OR-Library is a collection of test data sets for a variety of OR problems.

A full list of the test data sets available in OR-Library can be found [here](#).

p-median - capacitated

There is one data file, pmedcap1

This file contains the problems solved in:

- [1] I.H. Osman and N. Christofides, Capacitated clustering problems by hybrid simulated annealing and tabu search, International Transactions in Operational Research, Vol. 1, No. 3, (1994) pp317-336.

The format of the data file is:

Number of problems (M)

For each problem m (m=1,...,M) in turn:

 Problem number in [1], best solution value found in [1]

 Number of customers (n), number of medians (p), capacity of each median (Q)

 For each customer i (i=1,...,n) in turn:

 customer number (i), x coordinate of i, y coordinate of i, demand of i

Note here that the computational results reported in [1] used euclidean distances calculated from these coordinates but rounded down to the nearest integer.

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The data file is of size 20KB (approximately).

Click [here](#) to access this file

OTHER SOURCES

Other capacitated p-median test problems are also available [here](#)